

Publication

**EP 0874045 A4 19981118**

Application

**EP 97935810 A 19970819**

Priority

- JP 9702859 W 19970819
- JP 23592896 A 19960819

Abstract (en)

[origin: EP0874045A1] DNAs having the nucleotide sequences of the Sequences No. 1 and No. 2 in the Sequence Table and a process for producing a protein which comprises inserting these DNAs into expression vectors to thereby produce a protein having molecular weights of about 60 kD (under reductive conditions) and about 60 kD and 120 kD (under non-reductive conditions) and being capable of inhibiting formation of osteoclast. These proteins are useful in the treatment of osteoporosis and rheumatism.

IPC 1-7

**C12N 15/12**

IPC 8 full level

**A61K 38/00** (2006.01); **C12N 15/09** (2006.01); **A61P 43/00** (2006.01); **C07H 21/04** (2006.01); **C07K 14/51** (2006.01); **C07K 14/52** (2006.01); **C12N 1/21** (2006.01); **C12N 5/10** (2006.01); **C12P 21/02** (2006.01); **C12R 1/19** (2006.01); **C12R 1/91** (2006.01)

CPC (source: EP KR)

**A61P 43/00** (2018.01 - EP); **C07K 14/52** (2013.01 - EP); **C12N 15/10** (2013.01 - KR); **C12N 15/11** (2013.01 - KR); **A61K 38/00** (2013.01 - EP)

Citation (search report)

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Designated contracting state (EPC)

AT BE CH DE DK ES FR GB IE IT LI LU NL SE

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**EP 0874045 A1 19981028**; **EP 0874045 A4 19981118**; AU 3866197 A 19980511; AU 718458 B2 20000413; CA 2235148 A1 19980226; CN 1198776 A 19981111; FI 980853 A0 19980417; FI 980853 A 19980615; HU P0001837 A2 20000928; HU P0001837 A3 20020930; JP H1057071 A 19980303; KR 20000064276 A 20001106; MX 9803086 A 19981129; NO 981748 D0 19980417; NO 981748 L 19980618; NZ 330400 A 19990528; WO 9807840 A1 19980226; ZA 977402 B 19990218

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